

- ❖ 英国《科学文摘》(INSPEC) 来源期刊
- ❖ 俄罗斯《文摘杂志》(AJ) 来源期刊
- ❖ 美国《乌利希期刊指南(网络版)》(Ulrichsweb) 收录期刊
- ❖ 2017—2019 年中国国际影响力优秀学术期刊(自然科学与工程)
- ❖ 第二届国家期刊奖百种重点科技期刊
- ❖ 中国科技核心期刊 ❖ 全国中文核心期刊
- ❖ 中国科技论文统计源期刊
- ❖ 中国学术期刊综合评价数据库来源期刊
- ❖ RCCSE 核心学术期刊 ❖ 中国期刊方阵双效期刊

- ❖ 《日本科学技术振兴机构数据库》(JST) 来源期刊
- ❖ 美国《艾博思科学学术数据库》(EBSCO) 全文来源期刊
- ❖ 美国《剑桥科学文摘(自然科学)》(CSA (NS)) 核心期刊
- ❖ 波兰《哥白尼索引》(IC) 来源期刊
- ❖ 中国科学引文数据库(CSCD) 来源期刊
- ❖ 《中文科技期刊数据库》来源期刊
- ❖ 《中国期刊网》《中国学术期刊(光盘版)》来源期刊
- ❖ 中国精品科技期刊顶尖学术论文(F5000)项目来源期刊
- ❖ 《电子科技文献数据库》来源期刊
- ❖ 《中国工程技术电子信息网》来源期刊

计算机应用研究

Jisuanji Yingyong Yanjiu

第 39 卷 第 10 期 2022 年 10 月

目 次

综述评论

- 面向偏差问题的推荐方法研究综述 郭楠, 黄慧慧(2881)
- 车联网隐私保护研究综述 邓雨康, 张磊, 李晶(2891)
- 多变量执行误报问题分析与解决方法综述 席睿成, 张铮, 朱鹏喆, 刘子敬(2907)

区块链技术

- 基于 ECC-ZKP 的农产品供应链可控身份管理与认证模型 王金威, 张绍华, 李超(2916)
- 基于交易特征对以太网多类型非法账户的分析与预测 周健, 闫石, 张杰, 黄世华(2923)

算法研究探讨

- 未知环境下多 AUV 协同避障方法研究 刘亚, 曾俊宝(2929)
- 强化信息交流的堆优化算法及其机器人路径规划 张贝, 闵华松, 张新明(2935)
- 传播结果的同源分析 杨旋, 徐贝澄, 姚畅, 黄浩(2943)
- 基于 Im2col 的并行深度卷积神经网络优化算法 胡健, 龚克, 毛伊敏, 陈志刚, 陈亮(2950)
- 基于观测空间关系提取的多智能体强化学习 许书卿, 臧传治, 王鑫, 刘鼎, 刘玉奇, 曾鹏(2957)
- 基于超图网络的产品设计知识智能推荐方法研究 刘高, 黄沈权, 龙安, 王玉洁, 朱晓辉(2962)
- 基于矩阵分解双线性池化的多模态融合虚假新闻检测 王婕, 刘芸, 纪淑娟(2968)
- 融合外部属性的短时交通流预测研究 王庆荣, 吴玉玉, 朱昌锋, 王媛(2974)
- 基于 SCDV 及各向异性调整 BERT 的文本语义消歧方法 李保珍, 顾秀莲(2979)
- 考虑客户价值的卡车与无人机联合配送时变路径优化方法 温廷新, 吕艳华(2984)
- 基于任务与巡航方向相关性分析的无人机任务分配 何杏宇, 付冲, 杨桂松, 赵子豪, 李梓源(2989)
- 融合差分变异和切线飞行的天鹰优化器 徐亦凤, 刘升, 刘宇焜, 张伟康(2996)
- V2X 环境下主干路相邻交叉口多目标协同优化模型研究 赵红专, 吴浩, 卢宁宁, 展新, 顾国斌, 王涛(3003)
- 基于分层强化学习的自动驾驶车辆掉头问题研究 曹洁, 邵紫旋, 侯亮(3008)
- 基于 end-to-end 深度强化学习的多车场车辆路径优化 雷坤, 郭鹏, 王祺欣, 赵文超, 唐连生(3013)
- 基于改进 HBA 算法的生鲜闭环供应链网络鲁棒优化设计 董海, 林国栋(3020)
- 采用混合搜索策略的阿奎拉优化算法 付小朋, 王勇, 冯爱武(3026)

结构正则化多视图非负矩阵分解	连佳琪,王毅刚,储志伟,尹学松(3033)
考虑随机变量影响的混合多属性决策方法研究	耿秀丽,张语轩(3039)
基于改进自适应黑洞机制的引力搜索算法	许文俊,王锡淮,肖健梅,顾俊瑜(3046)
带有超长方体约束的少数类样本生成机制	贺作伟,陶佳晴,冷强奎,翟军昌,孟祥福(3055)
基于树宽的警示传播算法收敛性分析	谢志新,王晓峰,于卓,曹泽轩,吴宇翔,莫淳惠(3061)
基于特征分解的快速位姿图优化算法	李雨洁,魏国亮,蔡洁,王苗苗(3065)
门诊动态溢流排队系统感性和理性退出率分析	李军祥,卢宜玲,潘龙博(3071)

系统应用开发

基于整数线性规划的 VLIW DSP 指令分簇调度	周鹏,刘纯纲,郑启龙(3078)
基于目标的域随机化方法在机器人操作方面的研究	张夏禹,陈小(3084)
考虑零件功能性削减的多目标拆卸方案决策	王伏林,廖显羲,冯显东,张程栋,冷细元(3089)
面向应用的 RGB-D 机器人道路坡度融合估计方法	凌晨飞,党淑雯,陈丽(3095)

网络与通信技术

面向软件定义网络的可变粒度数字孪生构建技术	陈何雄,吴佳平,韦云凯,郭威,杭菲璐,毛正雄,杨宁(3101)
移动边缘计算网络下的服务功能链部署优化设计	陈嘉亮,王丰,张潇(3108)
基于 OLSR 协议的无人机自组网多径路由策略	姚玉坤,张本俊,任丽丹(3114)

信息安全技术

基于 iForest 和 LOF 的流量异常检测	杭菲璐,郭威,陈何雄,张振红,易东阳(3119)
安全增强的智能电网轻量级匿名认证方案	丁志帆,胡洪波,杨庆余,肖思远(3124)
格上基于身份的可链接环签名方案	刘梦情,汪学明(3130)
一种 MIBS 方案的分析与改进	陈明,冷建华(3136)
基于二进制序列的属性访问控制策略检索方法	黄恒杰,潘瑞杰,王高才,秦利忠(3141)
基于混合云架构的深度语义密文检索	李剑,矫健(3146)
一种面向低轨卫星网络的高效无证书身份认证方案	张毅,吴奇,周霜霜,贾梦朝(3151)

图形图像技术

贪心非对称深度有监督哈希图像检索方法	赵昕昕,李阳,苗壮,王家宝,张睿(3156)
一种具有平衡标签预测能力的在线哈希算法	何硕,谢良(3161)
面向 WSI 的乳腺病理亚型分类研究	陈金令,李洁,赵成明,刘鑫(3167)
融合 IMU 去除运动模糊的改进光流匹配算法	栾小珍,魏国亮,蔡洁(3174)
基于多尺度残差网络的单应估计方法	唐云,帅鹏飞,蒋沛凡,邓飞,杨强(3179)
基于群智感知的街景变化检测方法	钟委钊,陈荟慧(3186)
基于 Transformer 的图像分类网络 MultiFormer	胡杰,昌敏杰,熊宗权,徐博远,谢礼浩,郭迪(3191)
应用于材料图像分割的 Graph-UNet	魏惠姗,韩越兴,王冰,陈侨川(3196)

信息集萃

下期要目	(3107)
------------	--------

期刊基本参数:CN51-1196/TP * 1984 * m * A4 * 320 * zh * P * ¥50.00 * 3840 * 51 * 2022-10 * n

Application Research of Computers

Vol. 39 No. 10 Oct. 2022

Contents

Survey

- Review of recommendation methods for problem of bias Guo Nan, Huang Huihui (2881)
- Overview of research on privacy protection of Internet of Vehicles Deng Yukang, Zhang Lei, Li Jing (2891)
- Summary of analysis and solution of multi-variate execution false alarm Xi Ruicheng, Zhang Zheng, Zhu Pengzhe, *et al.* (2907)

Technology of Blockchain

- Controllable identity management and authentication model for ECC-ZKP-based agricultural products supply chain
..... Wang Jinwei, Zhang Shaohua, Li Chao (2916)
- Analysis and prediction of multi-type illegal accounts of Ether based on transaction characteristics Zhou Jian, Yan Shi, Zhang Jie, *et al.* (2923)

Algorithm Research & Explore

- Research on multi-AUV cooperative obstacle avoidance method in unknown environment Liu Ya, Zeng Junbao (2929)
- Information interchange strengthened heap-based optimizer and its application to robot path planning Zhang Bei, Min Huasong, Zhang Xinming (2935)
- Homology analysis of diffusion results Yang Xuan, Xu Beicheng, Yao Chang, *et al.* (2943)
- Parallel deep convolution neural network optimization based on Im2col Hu Jian, Gong Ke, Mao Yimin, *et al.* (2950)
- Multi-agent reinforcement learning based on observation relation extraction Xu Shuqing, Zang Chuanzhi, Wang Xin, *et al.* (2957)
- Research on intelligent recommendation method of product design knowledge based on hypergraph network
..... Liu Gao, Huang Shenquan, Long An, *et al.* (2962)
- Matrix factorized bilinear pooling for multi-modal fusion fake news detection Wang Jie, Liu Yun, Ji Shujuan (2968)
- Short-term traffic flow prediction studies integrated with external properties Wang Qingrong, Wu Yuyu, Zhu Changfeng, *et al.* (2974)
- Text semantic disambiguation based on SCDV and anisotropy adjusted BERT Li Baozhen, Gu Xiulian (2979)
- Research on time-varying route optimization method for truck and UAV joint delivery considering customer value Wen Tingxin, Lyu Yanhua (2984)
- UAV task allocation based on relevance analysis between tasks and cruise directions He Xingyu, Fu Chong, Yang Guisong, *et al.* (2989)
- Aquila optimizer integrating differential mutation and tangent flight Xu Yifeng, Liu Sheng, Liu Yusong, *et al.* (2996)
- Research on multi-objective cooperative optimization model for adjacent intersections of trunk roads under V2X environment
..... Zhao Hongzhan, Wu Hao, Lu Ningning, *et al.* (3003)
- Research on autonomous vehicle U-turn problem based on hierarchical reinforcement learning Cao Jie, Shao Zixuan, Hou Liang (3008)
- End-to-end deep reinforcement learning framework for multi-depot vehicle routing problem Lei Kun, Guo Peng, Wang Qixin, *et al.* (3013)
- Robust optimization design of fresh closed-loop supply chain network based on improved honey badger algorithm Dong Hai, Lin Guodong (3020)
- Aquila optimization algorithm using hybrid search strategies Fu Xiaopeng, Wang Yong, Feng Aiwu (3026)
- Structure regularized multi-view nonnegative matrix factorization Lian Jiaqi, Wang Yigang, Chu Zhiwei, *et al.* (3033)
- Research on hybrid multiple attribute decision-making method considering influence of random variables Geng Xiuli, Zhang Yuxuan (3039)

Gravity search algorithm based on improved adaptive black hole mechanism	Xu Wenjun, Wang Xihuai, Xiao Jianmei, <i>et al.</i> (3046)
Generation mechanism for minority samples with hypercuboid constraints	He Zuowei, Tao Jiaqing, Leng Qiangkui, <i>et al.</i> (3055)
Convergence analysis of warning propagation algorithm based on tree width	Xie Zhixin, Wang Xiaofeng, Yu Zhuo, <i>et al.</i> (3061)
Fast pose graph optimization algorithm based on eigen decomposition	Li Yujie, Wei Guoliang, Cai Jie, <i>et al.</i> (3065)
Analysis of exit rate with perceptual and rational factors in outpatient dynamic overflow queuing system	Li Junxiang, Lu Yiling, Pan Longbo (3071)
Integer linear programming based instruction cluster assignment schedule of VLIW DSP	Zhou Peng, Liu Chungang, Zheng Qilong (3078)

System Development & Application

Research on goal-based domain randomization method in robot manipulation	Zhang Xiayu, Chen Xiaoping (3084)
Decision-making method for multi-targets disassembly scheme considering functional reduction of parts Wang Fulin, Liao Xianxi, Feng Xiangdong, <i>et al.</i> (3089)
Fusion slope estimation algorithm for RGB-D moving robot	Ling Chenfei, Dang Shuwen, Chen Li (3095)

Technology of Network & Communication

Variable granularity digital twin construction technology for software defined network	Chen Hexiong, Wu Jiaping, Wei Yunkai, <i>et al.</i> (3101)
Optimization design of service function chain deployment under mobile edge computing network	Chen Jialiang, Wang Feng, Zhang Xiao (3108)
Multi-path routing strategy of UAV Ad hoc network based on OLSR protocol	Yao Yukun, Zhang Benjun, Ren Lidan (3114)

Technology of Information Security

Network traffic anomaly detection based on iForest and LOF	Hang Feilu, Guo Wei, Chen Hexiong, <i>et al.</i> (3119)
Security enhanced lightweight anonymous authentication scheme for smart grid	Ding Zhifan, Hu Hongbo, Yang Qingyu, <i>et al.</i> (3124)
Identity-based linkable ring signature scheme from lattice	Liu Mengqing, Wang Xueming (3130)
Analysis and improvement of mBS scheme	Chen Ming, Leng Jianhua (3136)
Retrieval method of attribute access control policy based on binary sequence	Huang Hengjie, Pan Ruijie, Wang Gaocai, <i>et al.</i> (3141)
Deep semantic ciphertext retrieval based on hybrid cloud architecture	Li Jian, Jiao Jian (3146)
Efficient certificateless authentication scheme for LEO satellite networks	Zhang Yi, Wu Qi, Zhou Shuangshuang, <i>et al.</i> (3151)

Technology of Graphic & Image

Greedy-asymmetric deep supervised hashing for image retrieval	Zhao Xinxin, Li Yang, Miao Zhuang, <i>et al.</i> (3156)
Online hash algorithm with balanced label prediction ability	He Shuo, Xie Liang (3161)
Research of breast pathological subtype classification on WSI	Chen Jinling, Li Jie, Zhao Chengming, <i>et al.</i> (3167)
Feature tracking algorithm for removing motion blur by improving optical flow incorporating IMU	Luan Xiaozhen, Wei Guoliang, Cai Jie (3174)
Homography estimation method based on multi-scale residual network	Tang Yun, Shuai Pengfei, Jiang Peifan, <i>et al.</i> (3179)
Change detection method of street view image based on crowdsensing	Zhong Weizhao, Chen Huihui (3186)
MultiFormer: image classification network based on Transformer	Hu Jie, Chang Minjie, Xiong Zongquan, <i>et al.</i> (3191)
Graph-UNet for material image segmentation	Wei Huishan, Han Yuxing, Wang Bing, <i>et al.</i> (3196)